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NOTICE OF ALLOWANCE AND FEE(S) DUE

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WASHING	ON. DC 200	37

EXAMINER				
YUEN, KAN				
ART UNIT PAPER NUMB				
2416				
DATE MAILED: 11/26/2008				

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/721,759	11/26/2003	Jun-whan Kim	Q78711	4171			

TITLE OF INVENTION: APPARATUS AND METHOD FOR MAKING QOS-SUPPORTING POLLING LIST

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/26/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR	ATTC	RNEY DOCKET NO.	CONFIRMATION NO.
10/721,759 TITLE OF INVENTION	11/26/2003 E: APPARATUS AND M	ETHOD FOR MAKING	Jun-whan Kim G QOS-SUPPORTING 1	OLLING LIST		Q78711	4171
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	02/26/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	7			
YUEN	, KAN	2416	370-346000	_			
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Comp	" Indication form ed. Use of a Customer A TO BE PRINTED ON	or agents OR, altern (2) the name of a si- registered attorney of 2 registered patent a listed, no name will THE PATENT (print or	agle firm (having as a say agent) and the nam ttorneys or agents. If be printed. type) patent. If an assignant assignment.	a memb nes of u no nan	per a 2p to	ocument has been filed for
Please check the appropr	iate assignee category or	categories (will not be p	orinted on the patent):	Individual C	orporat	ion or other private gro	oup entity Government
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- 11	s SMALL ENTITY state	is. See 37 CFR 1.27.				TITY status. Sec 37 Cl	
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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SUGHRUE MI	ON, PLLC	YUEN, KAN		
	VANIA AVENUE, N.W	ART UNIT	PAPER NUMBER	
SUITE 800 WASHINGTON, DC 20037			2416 DATE MAILED: 11/26/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 853 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 853 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/721,759 KIM, JUN-WHAN Notice of Allowability Examiner Art Unit KAN YHEN 2416 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 7/31/2008. The allowed claim(s) is/are 1,3-6,8-12,14-17,19-22,24-28 and 30-35 (RENUMERRED 1-29 RESPECTIVELY). 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) \square All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. T Examiner's Amendment/Comment Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material 9. ☐ Other . /Kan Yuen/ Examiner, Art Unit 2416

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Response to Arguments

Applicant's arguments, see REMARK, filed on 7/31/2008, with respect to claims
 3-6, 8-12, 14-17, 19-22, 24-28, 30-35 have been fully considered and are persuasive.
 The 103 rejections of claims 1, 3-6, 8-12, 14-17, 19-22, 24-28, 30-35 has been withdrawn.

Allowable Subject Matter

2. Claims 1, 3-6, 8-12, 14-17, 19-22, 24-28, 30-35 are allowed. The prior art failed to teach the limitations of: a polling frame making request unit, which requests to make the polling list when the polling list is not made or when all reservation request frames are not received from the stations having transmitted the reservation request frames during the controlled contention interval; and a poll frame transmitter, which transmits a poll frame to each of the stations, having transmitted the reservation request frames that are received by the reservation request frame receiver, through the predetermined channel according to the poll frame transmission sequence comprised in the polling list made by the polling list making unit, as recited in claims 1, 12, 17, 33.

The prior art also failed to teach the limitations of: acquires the exclusive right of using the predetermined channel if the predetermined channel is not being used, and does not acquires the exclusive right of using the predetermined channel and resets the contention window value to be extended using a back-off algorithm if the predetermined channel is being used, as recited in claims 6. 16.

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The prior art also failed to teach the limitations of resetting the contention window value to be extended using a back-off algorithm when the exclusive right of using the predetermined channel is not acquired because the predetermined channel is being used, as recited in claims 22, 34.

The prior art also failed to teach the limitations of when the poll flame transmitted through the predetermined channel according to the polling frame transmission sequence comprised in the polling list is received, transmitting the data frame to a destination station among the stations through the predetermined channel during a data transmitting/receiving period designated by the poll frame, as recited in claims 28, 35.

The prior art also failed to teach the limitations of: when the exclusive right is acquired, generating a reservation request frame as a response to the controlled contention frame and transmitting the reservation request frame to the coordinator polling list making apparatus through the predetermined channel, as recited in claim 32.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KAN YUEN whose telephone number is (571)270-1413. The examiner can normally be reached on Monday-Friday 10:00a.m-3:00p.m EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky O. Ngo can be reached on 571-272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ricky Ngo/ Supervisory Patent Examiner, Art Unit 2416 /Kan Yuen/ Examiner, Art Unit 2416

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